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 NEWS  1           Web Page URLs for STN Seminar Schedule - N. America
 NEWS  2           "Ask CAS" for self-help around the clock
 NEWS  3  FEB 25   CA/CAPLUS - Russian Agency for Patents and Trademarks
                   (ROSPATENT) added to list of core patent offices covered
 NEWS  4  FEB 28   PATDPAFULL - New display fields provide for legal status
                   data from INPADOC
 NEWS  5  FEB 28   BABS - Current-awareness alerts (SDIs) available
 NEWS  6  FEB 28   MEDLINE/LMEDLINE reloaded
 NEWS  7  MAR 02   GBFULL: New full-text patent database on STN
 NEWS  8  MAR 03   REGISTRY/ZREGISTRY - Sequence annotations enhanced
 NEWS  9  MAR 03   MEDLINE file segment of TOXCENTER reloaded
 NEWS  10 MAR 22   KOREAPAT now updated monthly; patent information enhanced
 NEWS  11 MAR 22   Original IDE display format returns to REGISTRY/ZREGISTRY
 NEWS  12 MAR 22   PATDPASPC - New patent database available
 NEWS  13 MAR 22   REGISTRY/ZREGISTRY enhanced with experimental property tags
 NEWS  14 APR 04   EPFULL enhanced with additional patent information and new
                   fields
 NEWS  15 APR 04   EMBASE - Database reloaded and enhanced
 NEWS  16 APR 18   New CAS Information Use Policies available online
 NEWS  17 APR 25   Patent searching, including current-awareness alerts (SDIs),
                   based on application date in CA/CAplus and USPATFULL/USPAT2
                   may be affected by a change in filing date for U.S.
                   applications.
 NEWS  18 APR 28   Improved searching of U.S. Patent Classifications for
                   U.S. patent records in CA/CAplus

 NEWS EXPRESS  JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT
               MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005

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FILE 'HOME' ENTERED AT 14:01:24 ON 19 MAY 2005

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                                                         ENTRY    SESSION
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=> s protein extraction method
   3 FILES SEARCHED...
L1          56 PROTEIN EXTRACTION METHOD

=> s l1 and PEI
L2           0 L1 AND PEI

=> s l1 and (solubility enhancer)
L3           0 L1 AND (SOLUBILITY ENHANCER)

=> s l1 and chromatography
L4          14 L1 AND CHROMATOGRAPHY

=> s l1 and divalent cation
L5           0 L1 AND DIVALENT CATION

=> s l1 and expanded bed chromatography
L6           1 L1 AND EXPANDED BED CHROMATOGRAPHY

=> d l6 ti abs ibib tot

L6   ANSWER 1 OF 1  USPATFULL on STN
TI     Chitinases, derived from carnivorous plants polynucleotide sequences
       encoding thereof, and methods of isolating and using same
AB     The present invention provides an enzymatic composition comprising at
       least one protein isolated from a tissue or soup of a carnivorous plant,
       the at least one protein being characterized with an endo-chitinase
       activity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER:       2004:102971  USPATFULL
TITLE:                  Chitinases, derived from carnivorous plants
                        polynucleotide sequences encoding thereof, and methods
                        of isolating and using same
```

INVENTOR(S): Zilberstein, Aviah, Holon, ISRAEL
Eilenberg, Haviva, Ramat Hasharon, ISRAEL
Schuster, Silvia, Raanana, ISRAEL

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2004078842	A1	20040422	
APPLICATION INFO.:	US 2003-451794	A1	20031124	(10)
	WO 2002-IL44		20020117	

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Anthony Castorina, G E Ehrlich, Suite 207, 2001 Jefferson Davis Highway, Arlington, VA, 22202
NUMBER OF CLAIMS: 126
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 28 Drawing Page(s)
LINE COUNT: 3840
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 14:01:24 ON 19 MAY 2005)

FILE 'MEDLINE, USPATFULL, DGENE, EMBASE, WPIDS, FSTA, JICST-EPLUS, BIOSIS, BIOTECHDS' ENTERED AT 14:02:01 ON 19 MAY 2005
L1 56 S PROTEIN EXTRACTION METHOD
L2 0 S L1 AND PEI
L3 0 S L1 AND (SOLUBILITY ENHANCER)
L4 14 S L1 AND CHROMATOGRAPHY
L5 0 S L1 AND DIVALENT CATION
L6 1 S L1 AND EXPANDED BED CHROMATOGRAPHY

=> d 14 ti abs ibib tot

L4 ANSWER 1 OF 14 MEDLINE on STN
TI Application of reversed phase high performance liquid **chromatography** for subproteomic analysis of cardiac muscle.
AB The application of protein separation methodologies, such as reversed phase **chromatography**, should allow differential separation of the proteome, or at least specific subproteomes, comparable to that achieved by two-dimensional electrophoresis (2-DE). A rapid sequential **protein extraction method** (termed "IN Sequence") was developed to isolate three distinct subproteomes of cardiac muscle. Two subproteomes, those enriched for the cytoplasmic or myofilament proteins, can be separated by either reversed phase high performance liquid **chromatography** (RP-HPLC) or 2-DE. Reversed phase HPLC of the myofilament protein enriched extract was optimized for resolution and peak numbers by altering flow rate, gradient rate and the organic modifiers, isopropanol and acetronitrile. The myofilament protein enriched extract from failing swine heart, due to coronary artery ligation (LAD), was compared to the extract from a sham operated animal (SHAM). The HPLC chromatograms of these extracts were similar, but distinctive in many regions. The HPLC fractions, collected within some of these distinct regions of the chromatograms were analyzed using peptide mass fingerprinting - mass spectrometry and immunoblot analysis. Two myofilament proteins, troponin T and myosin heavy chain, were identified and found differentially modified in the SHAM and LAD hearts. Both troponin T and myosin heavy chain are problematic proteins for 2-DE, but yet they were resolved by reversed phase **chromatography**. Therefore, RP-HPLC can be used in conjunction with 2-DE to enhance protein separation of myofilament protein subproteome.
ACCESSION NUMBER: 2002063095 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11788988
TITLE: Application of reversed phase high performance liquid **chromatography** for subproteomic analysis of cardiac muscle.
AUTHOR: Neverova Irina; Van Eyk Jennifer E

CORPORATE SOURCE: Department of Physiology, Queen's University, Kingston, ON, Canada.
SOURCE: Proteomics, (2002 Jan) 2 (1) 22-31.
Journal code: 101092707. ISSN: 1615-9853.
PUB. COUNTRY: Germany: Germany, Federal Republic of
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200203
ENTRY DATE: Entered STN: 20020125
Last Updated on STN: 20020314
Entered Medline: 20020313

L4 ANSWER 2 OF 14 USPATFULL on STN
TI Immunogenic cell surface proteins of helicobacter pylori
AB A method of identifying immunogenic Helicobacter pylori-specific surface proteins binding specifically to polysulphated molecules, is described. Further, a Helicobacter pylori-specific surface protein product, and a protein contained therein, binding specifically to polysulphated molecules are disclosed. Examples of such proteins are a protein having a MW of 30 (31.3) kDa, a (pI) of 9.3 (9.1) and comprising SEQ ID NO: 1 and/or SEQ ID NO: 2; a protein having a MW of 26 (27.7), a pI of 9.1-9.3 (9.0) and comprising SEQ ID NO: 4; or a protein having a MW of 25 (28.7), a pI of 9.0 (8.8) and comprising SEQ ID NO: 5. Additionally, use of a protein or protein product of the invention as a diagnostic antigen and as a component in a vaccine against H. pylori infection, as well as an immunoassay and a vaccine composition against a H. pylori infection, are described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 2004:151546 USPATFULL
TITLE: Immunogenic cell surface proteins of helicobacter pylori
INVENTOR(S): Ljungh, Asa, Lund, SWEDEN
Nilsson, Ingrid, Lund, SWEDEN
Utt, Meeme, Lund, SWEDEN
Wadstrom, Torkel, Lund, SWEDEN

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2004115767	A1	20040617	
APPLICATION INFO.:	US 2004-471594	A1	20040204	(10)
	WO 2002-SE535		20020320	

	NUMBER	DATE
PRIORITY INFORMATION:	SE 2001-1030	20010323

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Bacon & Thomas, 4th Floor, 625 Slaters Lane, Alexandria, VA, 22314-1176
NUMBER OF CLAIMS: 12
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 7 Drawing Page(s)
LINE COUNT: 725
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 3 OF 14 USPATFULL on STN
TI Chitinases, derived from carnivorous plants polynucleotide sequences encoding thereof, and methods of isolating and using same
AB The present invention provides an enzymatic composition comprising at least one protein isolated from a tissue or soup of a carnivorous plant, the at least one protein being characterized with an endo-chitinase activity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 2004:102971 USPATFULL
TITLE: Chitinases, derived from carnivorous plants

polynucleotide sequences encoding thereof, and methods of isolating and using same

INVENTOR(S): Zilberstein, Aviah, Holon, ISRAEL
Eilenberg, Haviva, Ramat Hasharon, ISRAEL
Schuster, Silvia, Raanana, ISRAEL

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2004078842	A1	20040422	
APPLICATION INFO.:	US 2003-451794	A1	20031124	(10)
	WO 2002-IL44		20020117	

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Anthony Castorina, G E Ehrlich, Suite 207, 2001 Jefferson Davis Highway, Arlington, VA, 22202
NUMBER OF CLAIMS: 126
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 28 Drawing Page(s)
LINE COUNT: 3840
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 4 OF 14 USPATFULL on STN

TI DNA encoding human ciliary neurotrophic factor and method for producing the protein encoded thereby

AB The present invention relates to nucleic acid sequences encoding ciliary neurotrophic factor (CNTF) and to the proteins, peptides, and derivatives produced therefrom. In various embodiments of the invention, the nucleic acid sequences, proteins, and peptides of the invention may be used in the treatment of a variety of neurological diseases and disorders, including Alzheimer's disease. In a specific embodiment of the invention, CNTF may be used to support the growth of spinal cord neurons, thereby providing a method of treating spinal cord damage caused by trauma infarction, infection, nutritional deficiency or toxic agents.

The present invention also relates to a novel method for producing substantilly pure CNTF.

The invention also relates to pharmaceutical compositions comprising effective amounts of CNTF gene products which may be used in the diagnosis and treatment of a variety of neurologial diseases and disorders.

The present invention relates to the cloning sequencing and expression of CNTF and provides, for the first time, a means for producing human CNTF utilizing human CNTF-encoding nucleic acid sequences. Furthermore, the CNTF nucleic acid sequences of the invention may be utilized to identify nucleic acid sequences encoding CNTF or CNTF-homologous molecules in a variety of species and tissues.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 2003:209950 USPATFULL
TITLE: DNA encoding human ciliary neurotrophic factor and method for producing the protein encoded thereby
INVENTOR(S): Sendtner, Michael, Munich, GERMANY, FEDERAL REPUBLIC OF
Stockli-Rippstein, Kurt, Munich, GERMANY, FEDERAL REPUBLIC OF
Lottspeich, Friedrich, Neuried, GERMANY, FEDERAL REPUBLIC OF
Arakawa, Yoshihiro, Munich, GERMANY, FEDERAL REPUBLIC OF
Carroll, Patrick Desmond, Munich, GERMANY, FEDERAL REPUBLIC OF
Gotz, Rudolf Georg, Munich, GERMANY, FEDERAL REPUBLIC OF
Kreutzberg, Georg W., Munich, GERMANY, FEDERAL REPUBLIC OF
Lindholm, Dan B., Munich, GERMANY, FEDERAL REPUBLIC OF

Masiakowski, Piotr, Tarrytown, NY, United States
Wong, Vivien, Ardsley, NY, United States
Ip, Nancy, Stamford, CT, United States
Furth, Mark E., Pelham, NY, United States
Panayotatos, Nikos, Orangeburg, NY, United States
Thoenen, Hans, Munich, GERMANY, FEDERAL REPUBLIC OF
PATENT ASSIGNEE(S): Regeneron Pharmaceuticals, Inc., Tarrytown, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6602687	B1	20030805
APPLICATION INFO.:	US 1992-883630		19920508 (7)

RELATED APPLN. INFO.: Division of Ser. No. US 1990-570651, filed on 20 Aug 1990, now abandoned Continuation-in-part of Ser. No. US 1989-429517, filed on 31 Oct 1989, now abandoned Continuation-in-part of Ser. No. US 1989-408172, filed on 15 Sep 1989, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Mertz, Prema
LEGAL REPRESENTATIVE: Pennie & Edmonds LLP
NUMBER OF CLAIMS: 32
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 86 Drawing Figure(s); 68 Drawing Page(s)
LINE COUNT: 3972
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 5 OF 14 USPATFULL on STN
TI Preparation of human papillomavirus E1 having helicase activity and method therefor
AB The present invention relates to a method for isolating cloned papillomavirus E1 protein from a eukaryotic expression system having demonstrable and reproducible viral helicase activity and preparation containing essentially pure E1 protein. The invention further relates to the use of this novel E1 protein preparation in a screening assay for identifying antiviral agents. More particularly a high throughput assay to screen for agents capable of inhibiting HPV DNA replication. The assay is based on measuring the effect of antiviral agents on the activity of the E1 protein and more specifically on its helicase activity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 2001:185020 USPATFULL
TITLE: Preparation of human papillomavirus E1 having helicase activity and method therefor
INVENTOR(S): Pelletier, Alex, Fabreville, Canada
Farnet, Chris M., Outremont, Canada
PATENT ASSIGNEE(S): Boehringer Ingelheim (Canada) Ltd., Laval, Canada (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6306580	B1	20011023
APPLICATION INFO.:	US 1999-300909		19990428 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-83942P	19980501 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Salimi, Ali R.
LEGAL REPRESENTATIVE: Raymond, Robert P., Stempel, Alan R., Devlin, Mary-Ellen M.
NUMBER OF CLAIMS: 23
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 20 Drawing Figure(s); 20 Drawing Page(s)
LINE COUNT: 1359

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 6 OF 14 USPATFULL on STN

TI Method of increasing production of disulfide bonded recombinant proteins by saccharomyces cerevisiae

AB Disclosed is a process for increasing the yield of disulfide bonded recombinant proteins produced by yeast, especially recombinant secreted proteins The enzyme protein disulfide isomerase (PDI) catalyzes the formation of disulfide bonds in secretory and cell-surface proteins. We disclose the construction of recombinant strains of the yeast Saccharomyces cerevisiae which overproduce either human PDI or yeast PDI in a regulated fashion. These strains show greatly increased secretion of disulfide bonded proteins of potential therapeutic significance. These strains have the potential to increase the production of various disulfide bonded proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2001:158037 USPATFULL

TITLE: Method of increasing production of disulfide bonded recombinant proteins by saccharomyces cerevisiae

INVENTOR(S): Tuite, Michael F., Chartham Hatch, United Kingdom
Freedman, Robert B., Canterbury, United Kingdom
Schultz, Loren D., Harleysville, PA, United States
Ellis, Ronald W., Newton, MA, United States
Markus, Henry Z., Wyncote, PA, United States
Montgomery, Donna L., Chalfont, PA, United States

PATENT ASSIGNEE(S): Merck & Co., Inc., Rahway, NJ, United States (U.S. corporation)
University of Kent at Canterbury, Kent, United Kingdom (non-U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6291205	B1	20010918	
APPLICATION INFO.:	US 1992-901713		19920612	(7)

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Schwartzman, Robert A.
LEGAL REPRESENTATIVE: Hand, J. Mark, Tribble, Jack L.
NUMBER OF CLAIMS: 41
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 13 Drawing Figure(s); 13 Drawing Page(s)
LINE COUNT: 1927
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 7 OF 14 EMBASE on STN

TI Application of reversed phase high performance liquid **chromatography** for subproteomic analysis of cardiac muscle.

AB The application of protein separation methodologies, such as reversed phase **chromatography**, should allow differential separation of the proteome, or at least specific subproteomes, comparable to that achieved by two-dimensional electrophoresis (2-DE). A rapid sequential **protein extraction method** (termed "IN Sequence") was developed to isolate three distinct subproteomes of cardiac muscle. Two subproteomes, those enriched for the cytoplasmic or myofilament proteins, can be separated by either reversed phase high performance liquid **chromatography** (RP-HPLC) or 2-DE. Reversed phase HPLC of the myofilament protein enriched extract was optimized for resolution and peak numbers by altering flow rate, gradient rate and the organic modifiers, isopropanol and acetronitrile. The myofilament protein enriched extract from failing swine heart, due to coronary artery ligation (LAD), was compared to the extract from a sham operated animal (SHAM). The HPLC chromatograms of these extracts were similar, but distinctive in many regions. The HPLC fractions, collected within some of these distinct regions of the chromatograms were analyzed using peptide mass fingerprinting - mass spectrometry and immunoblot analysis. Two myofilament proteins, troponin Tand myosin heavy chain, were identified

and found differentially modified in the SHAM and LAD hearts. Both troponin T and myosin heavy chain are problematic proteins for 2-DE, but yet they were resolved by reversed phase **chromatography**. Therefore, RP-HPLC can be used in conjunction with 2-DE to enhance protein separation of myofilament protein subproteome.

ACCESSION NUMBER: 2002125374 EMBASE
TITLE: Application of reversed phase high performance liquid **chromatography** for subproteomic analysis of cardiac muscle.
AUTHOR: Neverova I.; Van Eyk J.E.
CORPORATE SOURCE: Dr. J.E. Van Eyk, Department of Physiology, 429 Botterell Hall, Queen's University, Kingston Ont. K7L 3N6, Canada. jvei@post.queensu.ca
SOURCE: Proteomics, (2002) Vol. 2, No. 1, pp. 22-31.
Refs: 40
ISSN: 1615-9853 CODEN: PROTC7
COUNTRY: Germany
DOCUMENT TYPE: Journal; Conference Article
FILE SEGMENT: 027 Biophysics, Bioengineering and Medical Instrumentation
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 20020418
Last Updated on STN: 20020418

L4 ANSWER 8 OF 14 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI Investigating the effects of protein patterns on microorganism identification by high-performance liquid **chromatography**-mass spectrometry and protein database searches.
AB High-performance liquid **chromatography**-electrospray ionization mass spectrometry (HPLC-ESI-MS) has been employed for separation and detection of protein biomarkers from E. coli samples. LC-MS is suitable for microbial identification because it can couple on-line with sample clean-up devices and is readily amenable to automation. In this work, we have investigated the effects of sample preparation methods on the detection of bacterial proteins by LC-MS. Many factors effect the degree of variations in the protein patterns (i.e. number and masses of proteins). For example, changing the polarity as well as pH of the extraction solvent may control the number of detected proteins. It is also noted that the protein patterns can vary even when the total ion **chromatography** plots seem to be the same under the same sample preparation conditions. Further, we have tested experimentally the influence of LC-MS-analyzed protein patterns (molecular masses between 2000 and 60,000) on microbial identification by protein database searches. This is in contrast to the current database search approach, where only the masses of smaller proteins (ltoreq20,000) from direct matrix-assisted laser/desorption ionization MS are used. In spite of the variations in protein patterns, all the database search results show that the best matches come from the correct microorganism.

ACCESSION NUMBER: 2003:65891 BIOSIS
DOCUMENT NUMBER: PREV200300065891
TITLE: Investigating the effects of protein patterns on microorganism identification by high-performance liquid **chromatography**-mass spectrometry and protein database searches.
AUTHOR(S): Ho, Yen-Peng [Reprint Author]; Hsu, Po-Hsi
CORPORATE SOURCE: Department of Chemistry, National Dong Hwa University, Hualien, Taiwan
ypho@mail.ndhu.edu.tw
SOURCE: Journal of Chromatography A, (8 November 2002) Vol. 976, No. 1-2, pp. 103-111. print.
ISSN: 0021-9673 (ISSN print).
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 29 Jan 2003
Last Updated on STN: 29 Jan 2003

L4 ANSWER 9 OF 14 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI Application of reversed phase high performance liquid **chromatography** for subproteomic analysis of cardiac muscle.
AB The application of protein separation methodologies, such as reversed phase **chromatography**, should allow differential separation of the proteome, or at least specific subproteomes, comparable to that achieved by two-dimensional electrophoresis (2-DE). A rapid sequential **protein extraction method** (termed "IN Sequence") was developed to isolate three distinct subproteomes of cardiac muscle. Two subproteomes, those enriched for the cytoplasmic or myofilament proteins, can be separated by either reversed phase high performance liquid **chromatography** (RP-HPLC) or 2-DE. Reversed phase HPLC of the myofilament protein enriched extract was optimized for resolution and peak numbers by altering flow rate, gradient rate and the organic modifiers, isopropanol and acetronitrile. The myofilament protein enriched extract from failing swine heart, due to coronary artery ligation (LAD), was compared to the extract from a sham operated animal (SHAM). The HPLC chromatograms of these extracts were similar, but distinctive in many regions. The HPLC fractions, collected within some of these distinct regions of the chromatograms were analyzed using peptide mass fingerprinting - mass spectrometry and immunoblot analysis. Two myofilament proteins, troponin T and myosin heavy chain, were identified and found differentially modified in the SHAM and LAD hearts. Both troponin T and myosin heavy chain are problematic proteins for 2-DE, but yet they were resolved by reversed phase **chromatography**. Therefore, RP-HPLC can be used in conjunction with 2-DE to enhance protein separation of myofilament protein subproteome.
ACCESSION NUMBER: 2002:167558 BIOSIS
DOCUMENT NUMBER: PREV200200167558
TITLE: Application of reversed phase high performance liquid **chromatography** for subproteomic analysis of cardiac muscle.
AUTHOR(S): Neverova, Irina; Van Eyk, Jennifer E. [Reprint author]
CORPORATE SOURCE: Departments of Physiology and Biochemistry, Queen's University, 429 Botterell Hall, Kingston, ON, K7L 3N6, Canada
jvei@post.queensu.ca
SOURCE: Proteomics, (January, 2002) Vol. 2, No. 1, pp. 22-31. print.
ISSN: 1615-9853.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 5 Mar 2002
Last Updated on STN: 5 Mar 2002

L4 ANSWER 10 OF 14 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI Transgenic animals expressing artificial epitope-tagged proteins.
AB DNA constructs are provided of epitope-tagged proteins or protein fragments which are conveniently purified with immunoaffinity **chromatography** such as epitope-tagged prion proteins (PrP). Transgenic animals expressing an epitope-tagged protein are provided, including transgenic animals expressing epitope-tagged PrP. Methods for distinguishing between the conformational shapes of a protein and a convenient method for isolating a tagged protein by immunoaffinity chromatographic methods are provided.
ACCESSION NUMBER: 2001:266593 BIOSIS
DOCUMENT NUMBER: PREV200100266593
TITLE: Transgenic animals expressing artificial epitope-tagged proteins.
AUTHOR(S): Prusiner, Stanley B. [Inventor]; Telling, Glenn C. [Inventor]; Cohen, Fred E. [Inventor, Reprint author]; Scott, Michael R. [Inventor]
CORPORATE SOURCE: San Francisco, CA, USA
ASSIGNEE: The Regents of the University of California
PATENT INFORMATION: US 6150583 November 21, 2000
SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (Nov. 21, 2000) Vol. 1240, No. 3. e-file.

CODEN: OGUPE7. ISSN: 0098-1133.
DOCUMENT TYPE: Patent
LANGUAGE: English
ENTRY DATE: Entered STN: 6 Jun 2001
Last Updated on STN: 19 Feb 2002

L4 ANSWER 11 OF 14 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI A novel high yield expression system leads to crystallization of the first mammalian membrane transporter: The cardiac sodium-calcium exchanger.
ACCESSION NUMBER: 2001:61763 BIOSIS
DOCUMENT NUMBER: PREV200100061763
TITLE: A novel high yield expression system leads to crystallization of the first mammalian membrane transporter: The cardiac sodium-calcium exchanger.
AUTHOR(S): Hale, Calvin C. [Reprint author]; Bossuyt, Julie [Reprint author]; Price, Elmer M. [Reprint author]; Hill, Chananada K. [Reprint author]; Schulze, Dan H.; Lederer, W. J.; Braden, Bradford C.
CORPORATE SOURCE: Univ of Missouri, Columbia, MO, USA
SOURCE: Circulation, (October 31, 2000) Vol. 102, No. 18 Supplement, pp. II.262. print.
Meeting Info.: Abstracts from American Heart Association Scientific Sessions 2000. New Orleans, Louisiana, USA. November 12-15, 2000. American Heart Association.
CODEN: CIRCAZ. ISSN: 0009-7322.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 31 Jan 2001
Last Updated on STN: 15 Feb 2002

L4 ANSWER 12 OF 14 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI Human cysteine-rich intestinal protein: cDNA cloning and expression of recombinant protein and identification in human peripheral blood mononuclear cells.
AB Cysteine-rich intestinal protein (CRIP) is a small, 8.5-kDa protein with one double zinc-finger motif called a LIM domain. It is very abundant in intestine and some immune cells in rodents, and expression is influenced by development and the immune response. We have cloned a human CRIP cDNA from human small intestine poly(A)+ RNA by RT-PCR. Through sequencing, we found that the human intestinal CRIP protein (hCRIP) differed from the previously cloned rat CRIP by two amino acids (residues 8 and 58). hCRIP was expressed with the pET vector/bacterial system and isolated by gel filtration and ion-exchange **chromatography**. The protein was purified to homogeneity as confirmed by PAGE, Western blotting, and immunodetection. Recombinant hCRIP has a molecular mass of 8390 Da based on mass spectrum analysis. Southern analysis suggests that there are three copies of the CRIP gene in the human genome. hCRIP mRNA was detected by RT-PCR in human monocytes purified from peripheral blood and THP-1 cells, a human monocytic cell line. Incubation of THP-1 cells with 65Zn and **chromatography** of the cytosol show that a significant amount of the radioactivity is associated with CRIP as was shown previously for rat intestine. The results are consistent with a functional role for CRIP in proliferation/differentiation of specific cell types, particularly those associated with host defense.
ACCESSION NUMBER: 1997:221369 BIOSIS
DOCUMENT NUMBER: PREV199799513085
TITLE: Human cysteine-rich intestinal protein: cDNA cloning and expression of recombinant protein and identification in human peripheral blood mononuclear cells.
AUTHOR(S): Khoo, Christina; Blanchard, Raymond K.; Sullivan, Vicki K.; Cousins, Robert J. [Reprint author]
CORPORATE SOURCE: Food Sci. Human Nutrition Dep., Center Nutritional Sci., Univ. Florida, 201 FSHN, P.O. Box 110370, Gainesville, FL 32611, USA
SOURCE: Protein Expression and Purification, (1997) Vol. 9, No. 3,

pp. 379-387.
CODEN: PEXPEJ. ISSN: 1046-5928.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 22 May 1997
Last Updated on STN: 22 May 1997

L4 ANSWER 13 OF 14 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI Purification of human recombinant interleukin 1 receptor antagonist proteins upon Bacillus subtilis sporulation.
AB Human interleukin 1 receptor antagonist (IL-1ra) and IL-1ra mutants were constitutively expressed in recombinant Bacillus subtilis in endocellular and active form. In order to optimize the purification of the recombinant proteins, a new method has been developed. After bacterial growth in fermenter, release of recombinant protein was achieved by starvation-induced sporulation. The sporulation supernatant was recovered by centrifugation, filtered, and subjected sequentially to cation and anion-exchange **chromatography**. Alternatively, the fermenter's contents were directly subjected to expanded bed adsorption on a Streamline cation-exchange column, thus avoiding the centrifugation and filtration steps. Up to 88 mg of biologically active purified recombinant protein per liter of culture was obtained, with a 72-79% recovery and 98% purity, depending on the molecule. By using the method described here, it is possible to achieve a spontaneous release of recombinant proteins expressed endocellularly at high levels in B. subtilis without need of a cell breakage step. Thus, this method could allow purification of the endocellular recombinant protein as if it were secreted. Furthermore, when using the expanded bed adsorption, highly purified protein was obtained in only two steps after sporulation. Among the advantages of the method, one of the most relevant is the possibility of keeping the system closed up to completion of the first purification step.
ACCESSION NUMBER: 1997:175274 BIOSIS
DOCUMENT NUMBER: PREV199799466987
TITLE: Purification of human recombinant interleukin 1 receptor antagonist proteins upon Bacillus subtilis sporulation.
AUTHOR(S): Maurizi, Giovanni [Reprint author]; Di Cioccio, Vito; Macchia, Giovanni; Bossu, Paola; Bizzarri, Cinzia; Visconti, Ugo; Boraschi, Diana; Tagliabue, Aldo; Ruggiero, Paolo [Reprint author]
CORPORATE SOURCE: Lab. Biotechnol., Dompe Research Center, Via Campo di Pile, I-67100 L'Aquila, Italy
SOURCE: Protein Expression and Purification, (1997) Vol. 9, No. 2, pp. 219-227.
CODEN: PEXPEJ. ISSN: 1046-5928.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 24 Apr 1997
Last Updated on STN: 24 Apr 1997

L4 ANSWER 14 OF 14 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI PURIFICATION OF RIBOSOMAL PROTEINS FROM THE EXTREME HALOPHILIC ARCHAEBACTERIUM HALOBACTERIUM-MARISMORTUI BY HIGH-PERFORMANCE LIQUID **CHROMATOGRAPHY**.
AB High performance liquid **chromatography** was used for the purification of ribosomal proteins derived from the halophilic archaebacterium Halobacterium marismortui. Separation was performed using size exclusion **chromatography**, reversed phase and ion-exchange **chromatography**. For reversed phase separation several solvent systems were tested including isopropanol and acetonitrile. Tris/citrate buffer containing 30% N,N-dimethylformamide was employed in combination with a DEAE-anion-exchanger. The influence of the **protein extraction method**, e.g. lithium chloride versus acetic acid extraction, on the resolution of this highly acidic protein mixture was investigated and the recovery of single proteins estimated. Best results were obtained using the acetic acid extract for revresed phase **chromatography**. This method lead to the purification of 40% of

the proteins from the 50S subunit in one HPLC run. Some of the purified proteins whose sequence was not yet known were subjected to N-terminal and further sequence analysis in order to complete our data of ribosomal proteins from this archaebacterium. The knowledge of the halobacterial ribosomal protein sequences will facilitate further structural and evolutionary studies.

ACCESSION NUMBER: 1991:140986 BIOSIS
DOCUMENT NUMBER: PREV199191077526; BA91:77526
TITLE: PURIFICATION OF RIBOSOMAL PROTEINS FROM THE EXTREME HALOPHILIC ARCHAEBACTERIUM HALOBACTERIUM-MARISMORTUI BY HIGH-PERFORMANCE LIQUID **CHROMATOGRAPHY**.
AUTHOR(S): BERGMANN U [Reprint author]; WITTMANN-LIEBOLD B
CORPORATE SOURCE: MAX-PLANCK-INSTITUT FUER MOLEKULARE GENETIK, ABTEILUNG WITTMANN, IHNESTRASSE 73, 1000 BERLIN 33, W GER
SOURCE: Chromatographia, (1990) Vol. 30, No. 11-12, pp. 707-712. CODEN: CHRGB7. ISSN: 0009-5893.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 14 Mar 1991
Last Updated on STN: 14 Mar 1991

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=> e gehant, r/au
E1            1     GEHANT RICH L/AU
E2            3     GEHANT RICHARD L/AU
E3            0 --> GEHANT, R/AU
E4            1     GEHARD G/AU
E5            1     GEHARD H/AU
E6            1     GEHARD T/AU
E7            1     GEHARDSSON H G/AU
E8            1     GEHARDT G/AU
E9            1     GEHARDT K O/AU
E10           1     GEHARDT R/AU
E11           1     GEHARDT S E/AU
E12           1     GEHARDT T/AU

=> s e2
L7            3 "GEHANT RICHARD L"/AU

=> d l7 ti abs ibib tot

L7   ANSWER 1 OF 3  USPATFULL on STN
TI     Process for protein extraction
AB     The invention includes a process for extracting a target protein from E.
       coli cells that includes lowering the pH of a whole E. coli cell
       solution to form an acidic solution, disrupting the cells to release the
       protein into the acidic solution, and separating the cellular debris
       from the released protein to obtain a protein product enriched in the
       heterologous target protein. The invention also includes addition of a
       solubility enhancer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER:       2004:64493  USPATFULL
TITLE:                  Process for protein extraction
INVENTOR(S):            Gehant, Richard L., South San Francisco, CA,
                        UNITED STATES
PATENT ASSIGNEE(S):     Genentech, Inc., South San Francisco, CA (U.S.
                        corporation)

                             NUMBER        KIND    DATE
                        --------------- ------ --------
PATENT INFORMATION:     US 2004049012      A1   20040311
APPLICATION INFO.:      US 2003-655874     A1   20030905  (10)

                              NUMBER         DATE
                        ----------------- --------
PRIORITY INFORMATION:   US 2002-408653P    20020906 (60)
```

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: MERCHANT & GOULD PC, P.O. BOX 2903, MINNEAPOLIS, MN, 55402-0903
NUMBER OF CLAIMS: 43
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 8 Drawing Page(s)
LINE COUNT: 752
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 2 OF 3 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI Secretion of glycosylation site mutants can be rescued by the signal/pro sequence of tissue plasminogen activator.
AB Strategies that prevent the attachment of N-linked carbohydrates to nascent glycoproteins often impair intracellular transport and secretion. In the present study, we describe a method to rescue the intracellular transport and secretion of glycoproteins mutagenized to delete N-linked glycosylation sites. Site-directed mutagenesis was used to delete N-linked glycosylation sites from a chimeric protein, TNFR-IgG1. Deletion of any of the three glycosylation sites in the TNFR portion of the molecule, alone or in combination, resulted in a moderate or near total blockade of TNFR-IgG1 intracellular transport and secretion. Pulse chase experiments suggested that the glycosylation site mutants accumulated in the endoplasmic reticulum (ER) and were inefficiently exported to the Golgi apparatus (GA). Replacement of the TNFR signal sequence with the signal/pro sequence of human tissue plasminogen activator (tPA) overcame the blockade to intracellular transport, and restored secretion to levels co mparable to those achieved with the fully glycosylated molecule. Ligand binding studies suggested that the secreted glycosylation variants possessed binding characteristics similar to the fully glycosylated protein. This study demonstrates that N-terminal sequences of tPA are unexpectedly efficient in facilitating transport from the ER to the GA and suggests that these sequences contain a previously unrecognized structural element that promotes intracellular transport.
ACCESSION NUMBER: 2000:14944 BIOSIS
DOCUMENT NUMBER: PREV200000014944
TITLE: Secretion of glycosylation site mutants can be rescued by the signal/pro sequence of tissue plasminogen activator.
AUTHOR(S): Kohne, Christiane; Johnson, Adriana; Tom, Sabrina; Peers, David H.; **Gehant, Richard L.**; Hotaling, Timothy A.; Brousseau, Dave; Ryll, Thomas; Fox, Judith A.; Chamow, Steven M.; Berman, Phillip W. [Reprint author]
CORPORATE SOURCE: VaxGen, Inc., 1000 Marina Boulevard, Brisbane, CA, 94005-1841, USA
SOURCE: Journal of Cellular Biochemistry, (Dec. 1, 1999) Vol. 75, No. 3, pp. 446-461. print.
CODEN: JCEBD5. ISSN: 0730-2312.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 29 Dec 1999
Last Updated on STN: 31 Dec 2001

L7 ANSWER 3 OF 3 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI Applications of ultrafast HPLC to process development of recombinant DNA-derived proteins.
AB The application of ultrafast HPLC to the development of recovery processes for proteins produced by recombinant DNA technology has been explored using wide-pore HPLC resins and instrumentation designed for rapid analysis. High-resolution analysis of complex samples was achieved with a total analysis time of less than 5 min from injection to injection. Fractions collected during preparative chromatography were analyzed by SDS gel electrophoresis and fast HPLC. Specific proteins in the fractions were detected and quantitated by fast HPLC providing real-time analysis for pooling. The technique was also applied to the formidable task of detecting and quantitating protein variants during the development of recovery processes. Several examples of post-translational variant detection are shown. Ultrafast HPLC is a new analytical tool that can be applied to the development of robust manufacturing processes producing

therapeutic proteins essentially free of known impurities and variants.

ACCESSION NUMBER: 1993:70448 BIOSIS
DOCUMENT NUMBER: PREV199395034948
TITLE: Applications of ultrafast HPLC to process development of recombinant DNA-derived proteins.
AUTHOR(S): Olson, Kenenth C. [Reprint author]; **Gehant, Richard L.**
CORPORATE SOURCE: Dep. Process Sci., Genentech Inc., 460 Point San Bruno Blvd., South San Francisco, Calif. 94080, USA
SOURCE: Biotechnology Progress, (1992) Vol. 8, No. 6, pp. 562-566. CODEN: BIPRET. ISSN: 8756-7938.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 26 Jan 1993
Last Updated on STN: 26 Jan 1993

Hit List

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Search Results - Record(s) 1 through 2 of 2 returned.

☐ 1. Document ID: US 6213340 B1

L1: Entry 1 of 2 File: USPT Apr 10, 2001

US-PAT-NO: 6213340
DOCUMENT-IDENTIFIER: US 6213340 B1

TITLE: Ice bucket for bottles, especially a champagne bucket

DATE-ISSUED: April 10, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gehant; Andre Maurice Gilbert	Faucogney			FR

US-CL-CURRENT: 220/752; 220/770, 220/775

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWMC | Draw Desc | Ima

☐ 2. Document ID: US 4626204 A

L1: Entry 2 of 2 File: USPT Dec 2, 1986

US-PAT-NO: 4626204
DOCUMENT-IDENTIFIER: US 4626204 A

TITLE: High-temperature hot-air generator

DATE-ISSUED: December 2, 1986

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Saint Julian; Raymond M.	Couvrut			FR
Gehant; Philippe M.	Le Chesnay			FR
Bertrand; Ivan G.	Paris			FR
Folliet; Michel H.	Gargenville			FR

US-CL-CURRENT: 432/222; 110/265, 431/183, 431/186, 431/188, 431/190

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWMC | Draw Desc | Ima

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Terms	Documents
gehant.in.	2

Refine Search

Search Results -

Terms	Documents
L10 and (magnesium or calcium)	271

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L11

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DATE: Thursday, May 19, 2005 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT; PLUR=YES; OP=OR			
L11	L10 and (magnesium or calcium)	271	L11
L10	L9 and (divalent cation)	348	L10
L9	L8 and (polyethyleneimine)	348	L9
L8	L6 and (expanded bed chromatography)	819	L8
L7	L6 and l1	0	L7
L6	L5 and (acidic pH)	1143	L6
L5	L3 and (divalent cation)	1359	L5
L4	L3 and (solubility enhancer)	1424	L4
L3	L2 and PEI	5428	L3
L2	protein extraction method	2249637	L2
L1	gehant.in.	2	L1

END OF SEARCH HISTORY

Hit List

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Search Results - Record(s) 1 through 10 of 271 returned.

☐ 1. Document ID: US 6894050 B2

L11: Entry 1 of 271 File: USPT May 17, 2005

US-PAT-NO: 6894050
DOCUMENT-IDENTIFIER: US 6894050 B2

TITLE: 5-HT receptor ligands and uses thereof

DATE-ISSUED: May 17, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chiang; Phoebe	East Lyme	CT		
Novomisle; William A.	Stonington	CT		
Welch, Jr.; Willard M.	Mystic	CT		
Guzman-Perez; Angel	Stonington	CT		
DaSilva-Jardine; Paul A.	Killingworth	CT		
Garigipati; Ravi S.	South Glastonbury	CT		
Liu; Kevin K.	East Lyme	CT		

US-CL-CURRENT: 514/252.11; 544/357

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw Desc | Ima

☐ 2. Document ID: US 6881556 B2

L11: Entry 2 of 271 File: USPT Apr 19, 2005

US-PAT-NO: 6881556
DOCUMENT-IDENTIFIER: US 6881556 B2

TITLE: Polynucleotide

DATE-ISSUED: April 19, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Antoniou; Michael	Edgeware			GB
Crombie; Robert	Stoke-on-Trent			GB

US-CL-CURRENT: 435/69.1; 435/320.1, 435/91.41, 435/91.5, 536/24.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw Desc | Ima

☐ 3. Document ID: US 6878805 B2

L11: Entry 3 of 271 File: USPT Apr 12, 2005

US-PAT-NO: 6878805
DOCUMENT-IDENTIFIER: US 6878805 B2

TITLE: Peptide-conjugated oligomeric compounds

DATE-ISSUED: April 12, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Manoharan; Muthiah	Carlsbad	CA		
Maier; Martin A.	Carlsbad	CA		

US-CL-CURRENT: 530/327; 530/322, 530/328, 530/345, 536/23.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

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☐ 4. Document ID: US 6878680 B2

L11: Entry 4 of 271 File: USPT Apr 12, 2005

US-PAT-NO: 6878680
DOCUMENT-IDENTIFIER: US 6878680 B2

TITLE: Detergent compositions and components thereof

DATE-ISSUED: April 12, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kitko; David Johnathan	Cincinnati	OH		
Stephenson; Colin	Newcastle Upon Tyne			GB

US-CL-CURRENT: 510/311; 510/367, 510/376, 510/444, 510/445, 510/477, 510/488

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

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☐ 5. Document ID: US 6875572 B2

L11: Entry 5 of 271 File: USPT Apr 5, 2005

US-PAT-NO: 6875572
DOCUMENT-IDENTIFIER: US 6875572 B2

TITLE: Nucleic acid detection assays

DATE-ISSUED: April 5, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Prudent; James R.	Madison	WI		
Hall; Jeff G.	Madison	WI		
Lyamichev; Victor I.	Madison	WI		
Brow; Mary Ann D.	Madison	WI		
Dahlberg; James E.	Madison	WI		

US-CL-CURRENT: 435/6; 435/7.1, 435/91.1, 435/91.2, 536/22.1, 536/23.1, 536/24.3,

536/24.31, 536/24.32, 536/24.33

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

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☐ 6. Document ID: US 6872816 B1

L11: Entry 6 of 271 File: USPT Mar 29, 2005

US-PAT-NO: 6872816
DOCUMENT-IDENTIFIER: US 6872816 B1

TITLE: Nucleic acid detection kits

DATE-ISSUED: March 29, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hall; Jeff G.	Madison	WI		
Lyamichev; Victor I.	Madison	WI		
Mast; Andrea L.	Madison	WI		
Brow; Mary Ann D.	Madison	WI		
Kwiatkowski; Robert W.	Verona	WI		
Vavra; Stephanie H.	Waunakee	WI		

US-CL-CURRENT: 536/24.3; 435/194, 435/325, 435/6, 435/810, 435/91.52, 435/91.53, 536/22.1, 536/23.1, 536/23.2, 536/23.5 , 536/23.7, 536/24.33, 536/24.5

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

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☐ 7. Document ID: US 6872681 B2

L11: Entry 7 of 271 File: USPT Mar 29, 2005

US-PAT-NO: 6872681
DOCUMENT-IDENTIFIER: US 6872681 B2

TITLE: Modification of nanotubes oxidation with peroxygen compounds

DATE-ISSUED: March 29, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Niu; Chunming	Lexington	MA		
Moy; David	Germantown	MD		
Ma; Jun	Quincy	MA		
Chishti; Asif	Lowell	MA		

US-CL-CURRENT: 502/101; 423/447.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

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☐ 8. Document ID: US 6872519 B1

L11: Entry 8 of 271 File: USPT Mar 29, 2005

US-PAT-NO: 6872519
DOCUMENT-IDENTIFIER: US 6872519 B1

TITLE: In vitro process for selecting phage resistant to blood inactivation

DATE-ISSUED: March 29, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sokoloff; Alexander V.	Madison	WI		
Wolff; Jon A.	Madison	WI		

US-CL-CURRENT: 435/5; 424/9.1, 435/235.1, 435/320.1, 435/6, 435/7.1, 514/2, 514/44, 536/23.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

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☐ 9. Document ID: US 6869923 B1

L11: Entry 9 of 271 File: USPT Mar 22, 2005

US-PAT-NO: 6869923
DOCUMENT-IDENTIFIER: US 6869923 B1

TITLE: Perfume compositions

DATE-ISSUED: March 22, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cunningham; Philip Andrew	Newcastle upon Tyne			GB
Green; Michael	Newcastle upon Tyne			GB
McRitchie; Allan Campbell	Whitley Bay			GB

US-CL-CURRENT: 512/4; 510/101, 512/1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

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☐ 10. Document ID: US 6846809 B2

L11: Entry 10 of 271 File: USPT Jan 25, 2005

US-PAT-NO: 6846809
DOCUMENT-IDENTIFIER: US 6846809 B2

TITLE: PEI: DNA vector formulations for in vitro and in vivo gene delivery

DATE-ISSUED: January 25, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cristiano; Richard J.	Pearland	TX		
Yamashita; Motoyuki	Kochi			JP

US-CL-CURRENT: 514/44; 424/482, 435/320.1, 435/455

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Terms	Documents
L10 and (magnesium or calcium)	271

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Previous Page Next Page Go to Doc#

Hit List

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Search Results - Record(s) 11 through 20 of 271 returned.

☐ 11. Document ID: US 6844167 B2

L11: Entry 11 of 271 File: USPT Jan 18, 2005

US-PAT-NO: 6844167
DOCUMENT-IDENTIFIER: US 6844167 B2

TITLE: Pharmacological targeting of mRNA cap formation for treatment of parasitic infections

DATE-ISSUED: January 18, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shuman; Stewart	New York	NY	10021	
Ho; Chong Kiong	New York	NY	10021	

US-CL-CURRENT: 435/15; 435/194, 435/7.6, 435/7.72

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

☐ 12. Document ID: US 6828121 B2

L11: Entry 12 of 271 File: USPT Dec 7, 2004

US-PAT-NO: 6828121
DOCUMENT-IDENTIFIER: US 6828121 B2

TITLE: Bacterial host strains

DATE-ISSUED: December 7, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chen; Christina Yu-Ching	Hillsborough	CA		

US-CL-CURRENT: 435/69.1; 435/252.33, 435/69.6, 435/71.1, 435/71.2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

☐ 13. Document ID: US 6825198 B2

L11: Entry 13 of 271 File: USPT Nov 30, 2004

US-PAT-NO: 6825198
DOCUMENT-IDENTIFIER: US 6825198 B2

TITLE: 5-HT receptor ligands and uses thereof

DATE-ISSUED: November 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chiang; Phoebe	East Lyme	CT		
Novomisle; William A.	Stonington	CT		
Welch, Jr.; Willard M.	Mystic	CT		

US-CL-CURRENT: 514/252.14; 544/295

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw Desc | Ima

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☐ 14. Document ID: US 6824659 B2

L11: Entry 14 of 271 File: USPT Nov 30, 2004

US-PAT-NO: 6824659
DOCUMENT-IDENTIFIER: US 6824659 B2

TITLE: Designed protein pores as components for biosensors

DATE-ISSUED: November 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bayley; Hagan	College Station	TX		
Braha; Orit	College Station	TX		
Kasianowicz; John	Darnestown	MD		
Gouaux; Eric	New York	NY		

US-CL-CURRENT: 204/403.01; 204/403.08, 930/10

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw Desc | Ima

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☐ 15. Document ID: US 6812330 B2

L11: Entry 15 of 271 File: USPT Nov 2, 2004

US-PAT-NO: 6812330
DOCUMENT-IDENTIFIER: US 6812330 B2

TITLE: Isolation of neurotrophins from a mixture containing other proteins and neurotrophin variants using hydrophobic interaction chromatography

DATE-ISSUED: November 2, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Burton; Louis E.	San Mateo	CA		
Schmelzer; Charles H.	Burlingame	CA		
Beck; Joanne T.	Westlake Village	CA		

US-CL-CURRENT: 530/399; 435/69.1, 435/69.4, 435/70.1, 435/71.1, 530/324, 530/350, 530/412, 530/416, 530/417

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw Desc | Ima

☐ 16. Document ID: US 6812225 B2

L11: Entry 16 of 271 File: USPT Nov 2, 2004

US-PAT-NO: 6812225
DOCUMENT-IDENTIFIER: US 6812225 B2

TITLE: Therapeutic heterocyclic compounds

DATE-ISSUED: November 2, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pierson; Edward	Wilmington	DE		
Sohn; Daniel	Sodertalje			SE
Haeberlein; Markus	Sodertalje			SE
Davenport; Timothy	Wilmington	DE		
Chapdelaine; Marc	Wilmington	DE		
Horchler; Carey	Wilmington	DE		
McCauley; John P.	Wilmington	DE		

US-CL-CURRENT: 514/183; 514/430, 514/456, 549/23, 549/362, 549/396, 549/406, 549/407

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw Desc | Ima

☐ 17. Document ID: US 6808557 B2

L11: Entry 17 of 271 File: USPT Oct 26, 2004

US-PAT-NO: 6808557
DOCUMENT-IDENTIFIER: US 6808557 B2

TITLE: Cellulose matrix encapsulation and method

DATE-ISSUED: October 26, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Holbrey; John David	Tuscaloosa	AL		
Spear; Scott K.	Bankston	AL		
Turner; Megan B.	Tuscaloosa	AL		
Swatloski; Richard Patrick	Tuscaloosa	AL		
Rogers; Robin Don	Tuscaloosa	AL		

US-CL-CURRENT: 106/163.01; 106/164.3, 106/200.2, 106/501.1, 424/418, 424/493, 424/494, 426/650, 435/179, 71/23, 71/64.11 , 71/64.13

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw Desc | Ima

☐ 18. Document ID: US 6794189 B2

L11: Entry 18 of 271 File: USPT Sep 21, 2004

US-PAT-NO: 6794189

DOCUMENT-IDENTIFIER: US 6794189 B2

TITLE: Polyampholytes for delivering polyions to a cell

DATE-ISSUED: September 21, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wolff; Jon A.	Madison	WI		
Hagstrom; James E.	Middleton	WI		
Budker; Vladimir G.	Middleton	WI		
Trubetskoy; Vladimir S.	Madison	WI		

US-CL-CURRENT: 435/458; 435/450, 514/44

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

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☐ 19. Document ID: US 6790815 B1

L11: Entry 19 of 271 File: USPT Sep 14, 2004

US-PAT-NO: 6790815
DOCUMENT-IDENTIFIER: US 6790815 B1

TITLE: Amine reaction compounds comprising one or more active ingredient

DATE-ISSUED: September 14, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bettiol; Jean-Luc Philippe	Brussels			FR
Busch; Alfred	Londerzeel			DE
Denutte; Hugo	Hofstade			BE
Laudamiel; Christophe	Brussels			FR
Perneel; Peter Marie Kamiel	Brugge			BE
Sanchez-Pena; Marie Montserrat	Brussels			BE
Smets; Johan	Lubbeek			BE

US-CL-CURRENT: 510/102; 510/101, 528/22

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

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☐ 20. Document ID: US 6784151 B2

L11: Entry 20 of 271 File: USPT Aug 31, 2004

US-PAT-NO: 6784151
DOCUMENT-IDENTIFIER: US 6784151 B2

TITLE: Processes for making granular detergent composition having improved appearance and solubility

DATE-ISSUED: August 31, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY

Capeci; Scott William	North Bend	OH	
Gabriel; Steven Matthew	Cincinnati	OH	
Jagannath; Girish	Higashinada-ku		JP
Donoghue; Scott John	Jesmond		GB
Morrison; Christopher Andrew	Brussels		BE

US-CL-CURRENT: 510/444; 23/313FB, 264/117, 264/140, 510/438

Terms	Documents
L10 and (magnesium or calcium)	271